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TITLE

CELLULAR ARRAYS FOR THE IDENTIFICATION OF ALTERED GENE EXPRESSION

ABSTRACT OF THE DISCLOSURE

The present invention relates to the generation and use of a cellular array or a cellular array in combination with other genome-registered arrays (an array of arrays) for the determination of gene function and/or perturbation mode of action. Each cellular array consists of a number of microbial strains. Each strain comprises one reporter gene fusion made up of a gene or gene fragment operably linked to a reporter gene. Each gene or gene fragment has been "registered" or mapped to a specific location in the genome of the organism. The genome-registered collection of the invention may be used to determine alterations in gene expression under a variety of conditions. Such collections are amenable to rapid assay and may be used to confirm, correct or augment data generated from DNA micro array technology

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